INDEX TO VOLUME IV

Adrenal cortical substances, effect of, on central nervous system, 508
Adson, A. W. An oxygen conveyer: a toy balloon, 396
Aita, J. A. Modern considerations of the man with brain injury, 240
Alexander, E., Jr. See Ingraham, F. D., 164
American Board of Neurological Surgery, 482
Andrus, D. See Livingston, K. E., 16
Aneurysm, midline calcified intracranial, 539
Angina pectoris, surgical treatment of, 19
Angiography, cerebral
  approach to internal carotid artery for, 444
  technique using dilute diodrast, 422
Anterior rhizotomy for relief of spasticity in paraplegic patients, 435
Apparatus: See also Instruments
  method of making photographic records under sterile conditions, 293
  oxygen conveyer: a toy balloon, 396
  radial palsy elastic splint, 541
  simple encephalography stand, 547
  sterile operating lamp, 290
Arachnoid
  arachnoidal proliferations with cyst formation in human spinal nerve roots, 414
  extradural arachnoidal cysts, traumatic, 530
  postoperative spinal adhesive arachnoiditis and recurrent spinal cord tumor, 451
Autodermography, method of, 188

Bagchi, B. K., and Bassett, R. C. Some additional electroencephalographic techniques for the localization of intracranial lesions, 348
Bailey, O. T., Ingraham, F. D., Neuhauser, E. B. D., and Cobb, C. A., Jr. Fibrin film in neurosurgery, further studies. The insertion of fibrin film between the sutured dura and the intact leptomeninges; the effect of roentgen therapy on tissue reactions to fibrin film, 465
Bakody, J. T. See Norcross, N. C., 69
Bassett, R. C. See Bagchi, B. K., 348
Bender, M. B. See Furlow, L. T., 380
Bond, J. P. See Pendergrass, R. C., 80
Book Review: See Reviews
Brachial neuralgia, etiology and operative treatment of, 403
Brain
  cerebral schistosomiasis, surgery of, 72
  cerebral swelling, 255
  convulsive effects of streptomycin topically applied to cerebral cortex, 370
Brain injuries: See also Cranium
  modern considerations of man with, 240
Brain tumors: See Intracranial tumors
Brown, H. A. A dermoid tumor of the lateral ventricle associated with internal hydrocephalus, 472
Brown, M. H., Grindlay, J. H., and Craig, W. McK. The use of polythene film as a dural substitute. A preliminary report, 505
Bucy, P. C., and Oberhill, H. R. Combination suction-cautery tip for use in neurological surgery, 545
——, and Ritchey, H. Klippel-Feil's syndrome associated with compression of the spinal cord by an extradural hemangiolipoma, 476
Busch, E., and Christensen, E. The three types of glioblastoma, 200

Campbell, E., and Keedy, C. Hemifacial spasm: a note on the etiology in two cases, 342
Carmody, J. T. B. A new combined perforator and drill, 292
Cerebrospinal rhinorrhea
  by way of eustachian tube, 177
  gelatin sponge in treatment of, 519
Cerebrum: See Brain
Černý, R. Autodermography. A new and simple method of demonstrating the propagation of pain and disorders of surface sensibility, 188
Chamberlain, R. H. See Ecker, A., 444
Choroid plexus, papilloma of, 387
Christensen, E. See Busch, E., 200
Chusid, J. G., and de Gutiérrez-Mahoney, C. G. Electroencephalographic studies after ligation of the internal carotid artery, 86
Clifton, E. E., and Rydell, J. R. Congenital dermal (pilonidal) sinus with dural connection. Case report and discussion, 276
Cloward, R. B., and Cunningham, E. B. The use of gelatin sponge in prevention and treatment of cerebrospinal rhinorrhea, 519
Cobb, C. A., Jr. See Bailey, O. T., 465
  See Ingraham, F. D., 293, 422
Congenital dermal (pilonidal) sinus with dural connection, 276
Convulsive effects of streptomycin topically applied to cerebral cortex, 370
Craig, W. McK. See Brown, M. H., 505
Cranium: See also Brain
  craniotomies, replacement of free bone plates in, 299
  osteoplastic flap method in treatment of subdural abscess, 391
  tantalum cranioplasty, early results in, 526
Cunningham, E. B. See Cloward, R. B., 519
Cushing, H., literary executor of, 1
Cysts
  arachnoidal proliferations with cyst formation in human spinal nerve roots, 414
  extradural arachnoidal, traumatic, 530

Davidoff, L. M. See Feiring, E. H., 282
See Oscherwitz, D., 539
——, Gass, H., and Grossman, J. Postoperative spinal adhesive arachnoiditis and recurrent spinal cord tumor, 451
Davis, L., and Martin, J. Studies upon spinal cord injuries. II. The nature and treatment of pain, 483
Dentate ligaments, rôle of, in spinal cord compression and syndrome of lateral sclerosis, 191
Dermatome hypalgesia with posterolateral herniation of lower cervical intervertebral disc, 115
Dermoid tumor of ventricle with hydrocephalus, 472
Diodrast, use of, in cerebral angiography, 422
Drew, J. H., Koop, C. E., and Grigger, R. P. A nutritional study of neurosurgical patients with special reference to nitrogen balance and convalescence in the postoperative period, 7
Drill and perforator, combined, 292
Dura mater
deformities of dural pouches and strictures of dural sheaths in cervical region, 403
polythene film as substitute for, 505
Dutlinger, R. See Gardner, W. J., 105

Ecker, A. Cerebrospinal rhinorrhea by way of the eustachian tube. Report of cases with the dural defect in the middle or posterior fossa, 177
——, and Chamberlain, R. H. An additional approach to the internal carotid artery for cerebral angiography, 444
Electroencephalography
after ligation of internal carotid artery, 86
for localization of intracranial lesions, 348
Encephalography stand, 547
Extradural arachnoidal cysts, traumatic, 530

Feiring, E. H., and Davidoff, L. M. Two tumors, meningioma and glioblastoma multiforme, in one patient, 282
Fibrin film
effect of roentgen therapy on tissue reactions to, 465
in neurosurgery, 465
Fincher, E. F. Further uses of gelatin foam in neurosurgery, 97
See Swanson, H. S., 530
Fizzell, J. A. See Golseth, J. G., 393
Freeman, L. W., and Heimburger, R. F. The surgical relief of spasticity in paraplegic patients. I. Anterior rhizotomy, 435
Frykholm, R. Deformities of dural pouches and strictures of dural sheaths in the cervical region producing nerve-root compression. A contribution to the etiology and operative treatment of brachial neuralgia, 403
Fulton, J. F. On being a literary executor, 1
Furlow, L. T., Bender, M. B., and Teuber, H. L. Movable foreign body within the cerebral ventricle. A case report, 380

Ganglionectomies, thoracic and stellate, examined by skin resistance method, 221
Gardner, W. J., Stowell, A., and Dutlinger, R. Resection of the greater superficial petrosal nerve in the treatment of unilateral headache, 105
Gass, H. See Davidoff, L. M., 451
Gay, J. R. See Love, J. G., 182
Gelatin foam, uses of, in neurosurgery, 97
Gelatin sponge in prevention and treatment of cerebrospinal rhinorrhea, 519
Glass, R. L. Osteoplastic flap method in the treatment of subdural abscess, 391
Glioblastoma multiforme
and meningioma in one patient, 282
three types of, 200
Golseth, J. G., and Fizzell, J. A. An instrument for direct nerve stimulation, 393
Greater superficial petrosal nerve, resection of, for unilateral headache, 105
Grenell, R. G., and McCawley, E. L. Central nervous system resistance. III. The effect of adrenal cortical substances on the central nervous system, 508
Grigger, R. P. See Drew, J. H., 7
Grindlay, J. H. See Brown, M. H., 505
Grossman, J. See Davidoff, L. M., 451
de Gutiérrez-Mahoney, C. G. See Chusid, J. G., 86

Hamby, W. B. Trigeminal neuralgia due to contralateral tumors of the posterior cranial fossa. Report of 2 cases, 179
Headache, unilateral, resection of greater superficial petrosal nerve in treatment of, 105
Head injuries: See Brain; Cranium
Heimburger, R. F. See Freeman, L. W., 435
Hemangiolipoma, spinal extradural, 476
Hemifacial spasm, etiology of, 342
Hemilaminectomy retractor, self-retaining, 544
Horrax, G. See Walker, J. C., 387
——, and Wyatt, J. P. Ectopic pinealomas in the chiasmal region. Report of three cases, 309
Hydrocephalus
dermoid tumor of lateral ventricle with, 472
experimental, 164

Ingraham, F. D. See Bailey, O. T., 465
——, Alexander, E., Jr., and Matson, D. D. Experimental hydrocephalus, 164
——, and Cobb, C. A., Jr. A simple method of making photographic records under sterile conditions, 293
Cerebral angiography: A technique using dilute diodrast, 422
Instruments: See also Apparatus
combination suction-cautery tip, 545
combined perforator and drill, 292
instrument for direct nerve stimulation, 393
self-retaining hemilaminectomy retractor, 544
Internal carotid artery
approach to, for cerebral angiography, 444

electroencephalography after ligation of, 86
Intervertebral disc, lower cervical, dermatome hypalgesia with posterolateral herniation of, 115
Intracranial tumors
aneurysm, midline calcified, 539
contralateral tumors of posterior fossa, trigeminal neuralgia due to, 179
dermoid tumor of lateral ventricle, 472
ectopic pinealomas in chiasmal region, 309
electroencephalography for localization of, 348
glioblastoma, three types of, 200
meningioma and glioblastoma multiforme in one patient, 282
papilloma of choroid plexus, 387
parasagittal meningiomas, 327
posterior fossa tumors, relationship of tic douloureux to, 233
smear technique in rapid diagnosis of, 497

KAHN, E. A. The rôle of the dentate ligaments in spinal cord compression and the syndrome of lateral sclerosis, 191
KEEDY, C. See Campbell, E., 342
KEEGAN, J. J. Dermatome hypalgesia with posterolateral herniation of lower cervical intervertebral disc, 115
Klippel-Feil syndrome with compression of spinal cord by extradural hemangiolipoma, 476
KOOP, C. E. See Drew, J. H., 7
KUHN, W. G., JR. The care and rehabilitation of patients with injuries of the spinal cord and cauda equina. A preliminary report on 113 cases, 40

Lamp, sterile operating, 290
LANE, S., and WEBSTER, J. E. A report of the early results in tantalum cranioplasty, 526
Lateral sclerosis, rôle of dentate ligaments in syndrome of, 191
LIEBENOW, R. R. See Suckle, H. M., 370
Lillie, Walter Ivan, 398
LINDGREN, I., and OLIVECRONA, H. Surgical treatment of angina pectoris, 19
LIVINGSTON, K. E., LIVINGSTON, W. K., and ANDRUS, D. Nerve end separation following suture. Resection of the neck of the fibula in suture of the peroneal nerve, 16
LIVINGSTON, W. K. Evidence of active invasion of denervated areas by sensory fibers from neighboring nerves in man, 140
See Livingston, K. E., 16
LOVE, J. G., and GAY, J. R. Resection of the superior longitudinal sinus. Report of case, 182

MACCARTY, C. S. See Shelden, C. H., 492
MCCAWLEY, E. L. See Grenell, R. G., 508
MARTIN, J. See Davis, L., 483
MATSON, D. D. See Ingraham, F. D., 164
Meningioma
and glioblastoma in one patient, 282
parasagittal, 327
Meningocele, extraspinal lumbar, 80
MORRIS, A. A. The use of the smear technique in the rapid histological diagnosis of tumors of the central nervous system. Description of a new staining method, 497

Nerves
hemifacial spasm, etiology of, 342
resection of greater superficial petrosal nerve in treatment of unilateral headache, 105
Nerves, peripheral
active invasion of denervated areas by sensory fibers from neighboring nerves in man, 140
arachnoidal proliferations with cyst formation in human spinal nerve roots, 414
autodermography, method of, 188
deformities of dural pouches and strictures of dural sheaths in cervical region producing nerve-root compression, 403
injuries, basic data from Registry concerning sutures and grafts, 146
instrument for direct stimulation of, 393
nerve end separation following suture, 16
posterior tibial reflex, 298
radial paralysis, autogenous graft for, 92
radial palsy elastic splint, 541
tantalum foil in surgery of, 69
two-stage autograft for repair of extensive median and ulnar nerve defects, 492
Nervous system, effect of adrenal cortical substances on, 508
NEUHAUSER, E. B. D. See Bailey, O. T., 465
Neurological surgery: See also Apparatus; Instruments
fibrin film in, 465
gelatin foam, uses of, 97
gelatin sponge in prevention and treatment of cerebrospinal rhinorrhea, 519
polythene film as dural substitute, 505
Neurosurgical patients, nutrition of, 7
Neurosurgical societies
New York Society of Neurosurgery, 96
Scandinavian Neurosurgical Society, 96
Second South American Congress of Neurosurgery, 96
Spanish-Portuguese Society of Neurosurgery, 482
New York Society of Neurosurgery, 96
NORCROSS, N. C., and BAKODY, J. T. Observations on the use of tantalum foil in peripheral nerve surgery, 69
Nutrition of neurosurgical patients, 7

OBERHILL, H. R. See Bucy, P. C., 545
Obituary
Walter Ivan Lillie, 398
OLIVECRONA, H. The parasagittal meningiomas, 327
See Lindgren, I., 19
Optic chiasm, ectopic pinealomas in region of, 309
ORTH, O. S. See Suckle, H. M., 370

Oscherwitz, D., and Davidoff, L. M. Midline calcified intracranial aneurysm between occipital lobes. Report of a case, 539
Oxygen conveyer: a toy balloon, 396

Papilloma of choroid plexus, 387
Paralysis, spastic paraplegia, surgical relief of, 435
Parsons, H. See Ray, B. S., 299
Pendergrass, R. C., Walker, A. E., and Bond, J. P. Extraspinal lumbar meningocele, 80
Perforator and drill, combined, 292
Peroneal nerve, suture of, 16
Photographic records, method of making, under sterile conditions, 293
Pilonidal sinus with dural connection, 276
Pinealomas, ectopic, in chiasmal region, 309
Polythene film as dural substitute, 505
Posterior tibial reflex, 298
Pudenz, R. H. See Shelden, C. H., 492

Radial nerve paralysis, autogenous graft for, 92
Radial palsy elastic splint, 541
Ray, B. S., and Parsons, H. The replacement of free bone plates in routine craniotomies, 299
Reviews
Traité de neuro-endocrinologie. Roussy, G., and Mosinger, M., 400
Wounds of the head. British Journal of Surgery, War Surgery Supplement No. 1, 549
Revilla, A. G. Tic douloureux and its relationship to tumors of the posterior fossa. Analysis of twenty-four cases, 233
Rexed, B. Arachnoidal proliferations with cyst formation in human spinal nerve roots at their entry into the intervertebral foramina. Preliminary report, 414
Richter, C. P. Cutaneous areas denervated by upper thoracic and stellate ganglionectomies determined by the electrical skin resistance method, 221
Ritchey, H. See Bucy, P. C., 476
Roentgen therapy, effect of, on tissue reactions to fibrin film, 465
Rydell, J. R. See Cliffton, E. E., 276

Scandinavian Neurosurgical Society, 96
Scheinker, I. M. Cerebral swelling. Histopathology, classification and clinical significance of brain edema, 255
Schistosomiasis, cerebral, surgical removal of, 72
Schreiber, F., and Shuttleworth, C. J. Sterile operating lamp, 290
Scoville, W. B. A self-retaining hemilaminectomy retractor, 544
A simple encephalography stand for attachment to X-ray table, 547
Radial palsy elastic splint, 541
Shelden, C. H., Pudenz, R. H., and MacCarty, C. S. Two-stage autograft for repair of extensive median and ulnar nerve defects, 492
Shuttleworth, C. J. See Schreiber, F., 290
Sinus
congenital dermal, with dural connection, 276
superior longitudinal, resection of, 182
Skin resistance method, thoracic and stellate ganglionectomies examined by, 221
Skull: See Cranium
Smear technique in rapid diagnosis of tumors, 497
South American Congress of Neurosurgery, 96
Spanish-Portuguese Society of Neurosurgery, 482
Speigel, I. J. Cerebral schistosomiasis. Report of a case with surgical removal of an intracerebral mass of schistosomal ova, 72
Spina bifida: See Meningocele
Spinal cord
compression, rôle of dentate ligaments in, 191
injuries, care of patients with, 40
injuries, nature and treatment of pain, 483
Klippel-Feil syndrome with compression of, by extradural hemangiolipoma, 476
tumor, recurrent, and postoperative spinal adhesive arachnoiditis, 451
Spine: See also Intervertebral disc
extraspinal lumbar meningocele, 80
self-retaining hemilaminectomy retractor, 544
Stowell, A. See Gardner, W. J., 105
Streptomycin, convulsive effects of, topically applied to cerebral cortex, 370
Subdural abscess, osteoplastic flap method in treatment of, 391
Suckle, H. M., Liebenow, R. R., and Orth, O. S. The convulsive effects of streptomycin topically applied to the cerebral cortex, 370
Suction-cautery tip, 545
Swanson, H. S., and Fincher, E. F. Extradural arachnoidal cysts of traumatic origin, 530

Tantalum
cranioplasty, early results in, 526
foil in peripheral nerve surgery, 69
Teuber, H. L., See Furlow, L. T., 380
Tic douloureux: See Trigeminal neuralgia
Titrud, L. A. A successful autogenous graft for radial nerve paralysis. Case report, 92
Trigeminal neuralgia
due to contralateral tumors of posterior cranial fossa, 179
relationship to tumors of posterior fossa, 233

Ventricles
cerebral, movable foreign body within, 380
lateral, dermoid tumor of, 472

Walker, A. E. See Pendergrass, R. C., 80
Walker, J. C., and Horrax, G. Papilloma of the choroid plexus. With report of an unusual case, 387
Webster, J. E. See Lane, S., 526
Woodhall, B. Peripheral nerve injuries. II. Basic data from the Peripheral Nerve Registry concerning 7,050 nerve sutures and 67 nerve grafts, 146
Wyatt, J. P. See Horrax, G., 309

LIBRARY
WEST VIRGINIA UNIVERSITY